

CLAIMS

What is claimed is:

1. A method of enhancing color space comprising depositing dye-based ink and fixer on a print medium in a print zone having a temperature between about 45° C and about 85° C.
2. The method of claim 1, wherein the print zone has a temperature between about 45° C and about 55° C.
3. The method of claim 1, wherein the depositing dye-based ink and fixer further comprises underprinting the fixer on the print medium and then depositing the dye-based ink on the print medium.
4. The method of claim 3, further comprising depositing a layer of the fixer over the deposited dye-based ink.
5. The method of claim 1, wherein the print medium comprises either plain paper or a commercially coated brochure media.
6. The method of claim 1, further comprising applying heat to the print zone after the depositing dye-based ink.
7. The method of claim 1, further comprising applying heat to the print zone prior to the depositing dye-based ink and fixer.
8. The method of claim 1, wherein the depositing is effected by one-pass print mode, two-pass print mode or four-pass print mode.

9. A method of inkjet printing comprising:
underprinting fixer fluid on a print medium in a print zone;
depositing dye-based ink over the fixer fluid on the print medium; and
heating the print zone to a temperature between about 45° C and about 85° C
5 during the underprinting and the depositing.

10. The method of claim 9, wherein the heating the print zone
comprises heating the print zone to a temperature between about 45° C and
about 55° C.

11. The method of claim 9, further comprises depositing a layer of
fixer fluid after the depositing dye-based ink.

12. The method of claim 9, wherein the print medium comprises either
15 plain paper or a commercially coated brochure media.

13. The method of claim 9, further comprising applying heat to the
print zone after the depositing dye-based ink.

20 14. The method of claim 9, further comprising applying heat to the
print zone prior to the underprinting the fixer fluid.

15. The method of claim 9, wherein the underprinting and the
depositing are effected by one-pass print mode, two-pass print mode or four-
25 pass print mode.

16. A printing system capable of maintaining or enhancing chroma
independent of increased ink application, the system comprising:
a print zone configured to be heated up to about 85° C; and
30 a pen set configured to apply dye-based ink and fixer to a print medium in the
heated print zone.

17. The printing system of claim 16, wherein the pen set is configured to underprint the fixer.

18. The printing system of claim 16, wherein the pen set is configured
5 to deposit the fixer over the dye-based ink.

19. The printing system of claim 16, wherein the print medium is either plain paper or glossy paper.